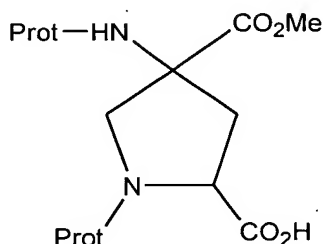


What is Claimed Is:

1. A compound having the formula:



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wherein the CO₂Me, CO₂H, and NH-Prot groups are attached to the central pyrrole ring via *cis*- or *trans*- bonding.

2. The compound of Claim 1, wherein the protecting group is selected from the group consisting of Boc, Ns, Fmoc and Cbz.

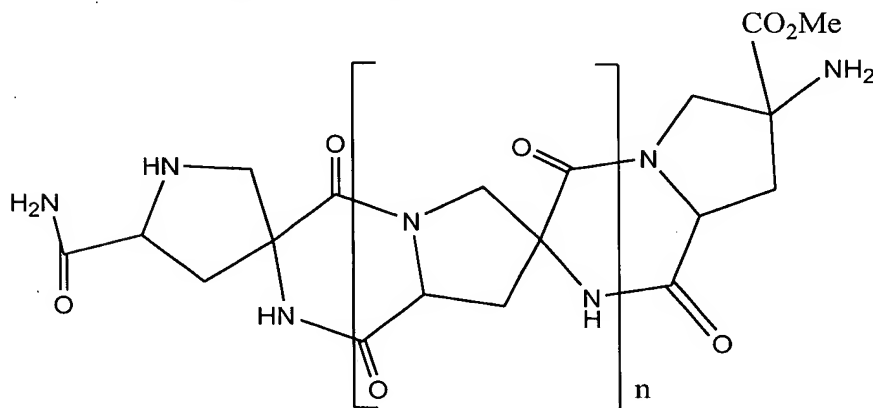
- 10 3. The compound of Claim 1, wherein CO₂H has the configuration (S) and the quaternary center has the configuration (S).

4. The compound of Claim 1, wherein CO₂H has the configuration (S) and the quaternary center has the configuration (R).

- 15 5. The compound of Claim 1, wherein CO₂H has the configuration (R) and the quaternary center has the configuration (S).

6. The compound of Claim 1, wherein CO₂H has the configuration (R) and the quaternary center has the configuration (R).

7. A compound having the formula:



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wherein n is less than about 100 and the configurations of all stereocenters are defined by the monomers that went into making the oligomer and can be any combination of (R) and (S).

- 5 8. The compound of Claim 8, wherein n is less than 50.
9. The compound of Claim 8, wherein n is less than 40.
10. The compound of Claim 8, wherein n is less than 30.
11. The compound of Claim 8, wherein n is less than 20.
12. The compound of Claim 8, wherein n is less than 20.

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